

INTERNATIONAL SEARCH REPORT

International Application No
/GB2004/004811

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02G15/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 238423 A (FUJIKURA LTD), 9 September 1997 (1997-09-09) abstract page 3, paragraph 11 - paragraph 13; figure 2	1, 4
A	----- US 5 914 160 A (MATSUFUJI ET AL) 22 June 1999 (1999-06-22) the whole document	1
A	----- US 4 035 534 A (NYBERG ET AL) 12 July 1977 (1977-07-12) the whole document ----- -/-	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

8 February 2005

Date of mailing of the international search report

16/02/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Lommel, A

INTERNATIONAL SEARCH REPORT

International Application No

GB2004/004811

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 328 326 A (BOWTHORPE-HELLERMANN LIMITED) 16 August 1989 (1989-08-16) abstract; figures 1,2 -----</p>	1

INTERNATIONAL SEARCH REPORT

International Application No

GB2004/004811

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 09238423	A	09-09-1997	NONE	
US 5914160	A	22-06-1999	DE 69525415 D1 DE 69525415 T2 EP 0710537 A2 JP 8230037 A	21-03-2002 20-06-2002 08-05-1996 10-09-1996
US 4035534	A	12-07-1977	AT 340502 B AT 761173 A AU 5985473 A BE 804344 A1 CA 1004124 A1 DE 2344086 A1 ES 418405 A1 FR 2197726 A1 GB 1440524 A IN 140463 A1 IT 993121 B JP 1231907 C JP 53134222 A JP 57020899 B JP 962663 C JP 49064669 A JP 52013545 B NL 7312083 A NO 141788 B SE 402734 B SE 426217 B SE 7800424 A US 4207364 A US 4168192 A ZA 7306024 A	27-12-1977 15-04-1977 06-03-1975 28-02-1974 25-01-1977 11-04-1974 16-03-1976 29-03-1974 23-06-1976 13-11-1976 30-09-1975 26-09-1984 22-11-1978 01-05-1982 20-07-1979 22-06-1974 15-04-1977 05-03-1974 04-02-1980 17-07-1978 20-12-1982 13-01-1978 10-06-1980 18-09-1979 28-08-1974
EP 0328326	A	16-08-1989	GB 2215117 A EP 0328326 A1	13-09-1989 16-08-1989